Title (en)

CONSTRUCTION SYSTEM FOR BUILDING A MODULE OF A DWELLING

Title (de)

KONSTRUKTIONSSYSTEM ZUM BAUEN EINES MODULS EINER BEHAUSUNG

Title (fr)

SYSTEME DE CONSTRUCTION POUR UN MODULE D'UNE HABITATION

Publication

EP 3580398 B1 20201125 (FR)

Application

EP 17829713 A 20171221

Priority

- CH 1642017 A 20170213
- IB 2017058262 W 20171221

Abstract (en)

[origin: WO2018146533A1] A construction system for building a module of a dwelling the main elements of which are made of plastic comprises a set of hollow profiled beams (1, 1') of elongate rectilinear shape, of type 1 and type 2. The beams (1, 1') comprise, at each end (5, 5'), a transverse passage opening (6, 6'). The transverse passage opening (6) of a type-1 beam (1) fits into the transverse passage opening (6') of a type-2 beam (1') when the two beams (1, 1') are assembled end to end at right angles leaving a passage opening (6, 6') between the two ends (5, 5') of the beams (1, 1'). Two type-1 beams (1) can be assembled with two type-2 beams (1') to form a rectangular frame. The system further comprises a set of corner assembly elements (2, 2'), each assembly element (2, 2') comprising a body intended to pass through the transverse passage opening (6, 6') of the type-1 and type-2 beams (1, 1'). The system also comprises a set of panels (3) that can be assembled between two assembled type-1 beams (1) or two type-2 beams (1') assembled as a rectangular frame, and a set of posts (11) of rectangular hollow section, the hollow ends of which fit onto a corner assembly element (2, 2') of a rectangular frame formed of type-1 and type-2 beams (1, 1') so as to form a three-dimensional framework. The posts (11) comprise longitudinal slots or rails (8) on two adjacent surfaces, so as to accept other panels (3') between the posts (11) during assembly. Each hollow profiled beam (1, 1') comprises, along an upper surface, spaced-apart slots or rails (8) intended to accept said other panels (3').

IPC 8 full level

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